

RECENT PAPERS BEARING ON METEOROLOGY.

H. H. KIMBALL, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —

American monthly review of reviews. New York. v. 36. July, 1907.

— A year of delayed harvests. p. 79-83.

Journal of geology. Chicago. v. 15. April-May, May-June, 1907.

Hobbs, William Herbert. The recent advance in seismology. p. 288-297, 396-409.

Physical review. Lancaster, Pa. v. 24. June, 1907.

Trowbridge, C. C. On atmospheric currents above fifty miles from the surface of the earth. p. 527-529. [Discussion of observations of meteor trains.]

Scientific American. New York. v. 96. June 29, 1907.

Gradenwitz, Alfred. A novel apparatus for demonstrating atmospheric pressure. p. 535.

Scientific American supplement. New York. v. 64. 1907.

Henriet, H. The atmosphere of cities. An investigation with a practical bearing on public health. (July 6, 1907.) p. 10-11.

Gradenwitz, Alfred. An aeronautical observatory; the elaborate equipment of a model observatory. (July 13, 1907.) p. 24-26. [Fully illustrated description of the observatory at Lindenbergs, Prussia.]

Dibos, M. M. The artificial dispersion of fog; the solution of a municipal engineering problem. (July 13, 1907.) p. 30-31. [Describes successful experiments with hot air jet and with Hertzian waves. Suggests applications to navigation and railroading.]

Symons's meteorological magazine. London. v. 42. June 1907.

— Wilhelm von Bezold, 1837-1907. p. 83.

Archives des sciences physiques et naturelles. Genève. 4 pér. Tome 23. 15 juin 1907.

Perrot, S. de. Charges produites par la neige sur les toits. p. 609-610.

Ciel et terre. Bruxelles. 28 année. 1907.

Dobrowolski, A. Les cristaux de glace aériens et le phénomène des halos. (16 juin 1907.) p. 183-196.

Alippi, Tito. Sur un phénomène acoustique d'origine terrestre ou atmosphérique. (1 juillet 1907.) p. 209-219. [Discusses an extensive series of observations of "brontidi" (barisal guns; mist poevers) in Italy.]

France. Académie des sciences. Comptes rendus. Paris.

Maillard. Sur la trombe du 22 mai 1907 dans le département du Loiret. (Tome 144. 17 juin 1907.) p. 1392-1393.

Bloch, L. Sur l'ionisation de l'air par barbotage. (Tome 145. 1 juillet 1907.) p. 54-55.

Nature. Paris. 35 anné. 29 Juin 1907.

Plumandon, J[ean] R[auoul]. La sécheresse de l'année 1906. p. 77-78.

Revue négrophile. Mons. Juin 1907.

— Nébulosité à Davos 1904-1906. p. 137.

Bracke, A. Ballons piroformes contre la grêle. p. 142-144.

Annalen der Physik. Leipzig. 4 Folge. Bd. 23. 1907.

Warburg, E., and Leithäuser, G. Ueber die Oxydation des Stickstoffs bei der Wirkung der stillen Entladung auf atmosphärische Luft. p. 209-225.

Barkow, Erich. Versuche über Entstehung von Nebel bei Wasserdampf und einigen anderen Dämpfen. p. 317-344.

Beiträge zur Physik der freien Atmosphäre. Strassburg. 2 Bd. 3 Heft.

Rosenthal, Elmar. Ueber trockene Zonen der freien Atmosphäre. p. 79-91.

Bassus, K. v[on]. Ueber die Windverhältnisse in der oberen Inversion. p. 92-95.

Hergesell, Hugo. Die Erforschung der freien Atmosphäre über dem Polarmeere. p. 96-98.

Kleinschmidt, Ernst. Die Feuchtigkeitsmessung bei Registrierballonaufstiegen. p. 99-124.

Gaea. Leipzig. 43 Jahrgang. August 1907.

— Eine Beobachtung des künstlichen Brockengespenstes. p. 462-465. [Review of paper by Reharz.]

— Niederschlag, Abfluss und Verdunstung in Mitteleuropa. p. 465-472. [Review of work by H. Keller.]

Geographische Zeitschrift. Leipzig. 13 Jahrgang. 11 Juni 1907.

Sapper, Karl. Island. p. 225-243. [Climate p. 226-229.]

37—3

Himmel und Erde. Berlin. 19 Jahrgang. Juni 1907.

Hennig, Richard. Witterung und Weltgeschichte. p. 405-423.

Meteorologische Zeitschrift. Braunschweig. Bd. 24. Juni, 1907.

Börnstein, R. Aus Goethes Meteorologie. p. 241-247.

Becker, Aug. Zur Messung der Tropfengrossen bei Regenfällen nach der Absorptionsmethode. p. 247-261.

Wundt, W. Ueber die Berechnung der Solarkonstante. p. 261-269.

Hann, J[ulius]. Zum Klima von Peru. p. 270-279. [Abstract and discussion of Bailey's Peruvian meteorology, pt. 2.]

Mehr, Fr. Zur Kenntnis der elektrischen Leitfähigkeit der Luft. p. 282-285.

Hann, J[ulius]. Resultate der meteorologischen Beobachtungen zu Lydenburg, Transvaal. p. 285-286.

Reale accademia dei Lincei. Atti. Rendiconti, Classe di scienze fisiche, matematiche e naturali. Roma. v. 16. 1 giugno 1907.

Marchi, Luigi de. La teoria elastica dell' isostasi terrestre. p. 910-916.

Monti, V. Di alcune possibili relazioni tra la sismicità della Svizzera e quella dell' alta Italia. p. 916-920.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

H. H. KIMBALL, Librarian.

The following titles have been selected from among the books recently received, as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Most of them can be loaned for a limited time to officials and employees who make application for them.

Angström, Knut.

Méthode nouvelle pour l'étude de la radiation solaire. Upsala. 1907. 19 p. 4°. (Nova acta Regiae societatis scientiarum upsalensis, ser. 4, vol. 1, no. 7.)

Barnes, Howard T.

Ice formation, with special reference to anchor ice and frazil. New York, etc. 1906. x, 260 p. 8°.

Bavaria. K. meteorologische Centralstation.

Deutsches meteorologisches Jahrbuch, 1898. München. 1899-[1907]. v. p. f°.

Same. 1899. München. [1907.] v. p. f°.

Same. 1900. München. [1907.] v. p. f°.

British rainfall organization.

Rules for rainfall observers, by Hugh Robert Mill. London. 1906. 7 p. 8°.

Ferle, Friedr. R.

Praktische oder angewandte Meteorologie für Landwirte; für Studierende der Landwirtschaft, Landwirte, Förster etc. sowie zum Selbstunterricht. Riga. 1906. 92 p. 8°.

Iakhontov, G.

Burj Ozera Baikal. [Storms of Lake Baikal.] St. Pétersbourg. 1906. 15 p. f°. (Mémoires de l'Académie impériale des sciences de St. Pétersbourg, 8e sér., v. 19, no. 3.)

Japan. Central meteorological observatory.

Annual report, 1905. Part 1. Meteorological observations in Japan. Japan. Tokio. 1906. 345 p. 4°.

Kerner, Fritz v[on].

Thermoisodromen; Versuch einer kartographischen Darstellung des jährlichen Gangs der Lufttemperatur. Wien. 1905. 30 p. 4°. (Abhandlungen der K. k. geographischen Gesellschaft in Wien, 6. Band, 1905, no. 3.)

Lowenthal, Jacques.

Ueber das Klima von Rostock, unter Berücksichtigung der harmonischen Analysis. Schwerin. 1906. 48 p. f°. (Inaug.-Diss.-Rostock.)

Meyers grosses Konversations-Lexikon.

Meyers grosses Konversations-Lexikon. Ein Nachschlagewerk des allgemeinen Wissens. Sechste, gänzlich neu bearbeitete und vermehrte Auflage. Vol. 1-16. A-Rinteln. Leipzig, etc. 1904-1907. 4°.

Müller, Rudolf.

Ergebnisse zwanzigjährigen zu Gumbinnen von 1885-1906 angestellten meteorologischen Beobachtungen. Gumbinnen. [1907.] 91 p. 8°. (Beilage zum Jahresbericht der Königlichen Friedrichschule, Ostern 1907.)

Negro, Carlo.

Evaporimetro a riflessione. Pavia. 1906. 7 p. 8°. (Extr. Rivista di fisica, matematica e scienze naturali, Pavia, anno 7, aprile 1906, no. 76.)

Le scariche ellettriche e la loro relazione con la pioggia. Pavia. 1907. 11 p. 8°. (Extr. Rivista di fisica, matematica e scienze naturali, Pavia, anno 8, febbraio 1907, no. 86.)

Sull' inversione della temperatura. Pavia. 1905. 15 p. 8°. (Extr. Rivista di fisica, matematica e scienze, Pavia, anno 5, luglio 1905, no. 67.)

Sull' altezza dell' aurora polare. Torino. 1905. 20 p. 16°. (Extr.